

continued from front

local districts to improve drainage in the C-11 basin.

The District, state legislators, Broward County's Department of Planning and Environmental Protection, the City of Fort Lauderdale and a host of neighborhood associations have been working together for over a decade on the restoration and revitalization of the North Fork of the New River (C-12). Primary funding for this initiative – more than \$1.4 million in state funds – was obtained by Broward County Commissioner Josephus Eggleton, Jr. in his role as a State Representative in the late 1990s.

That funding has provided for improvement and enhancement projects such as shoreline restoration, dredging for silt

removal, debris/refuge clean-up, water quality monitoring, historical surveys, the installation of grit chambers, the construction of kayak launch ramps and expanded outreach to the river's 13 neighboring communities. To help keep trash away from a portion of the shoreline and wildlife habitats, the District installed a fence.

The District is also working with Florida Atlantic University's School of Architecture and Broward Urban River Trails to create "Pocket Park Design Standards" for the North Fork. These small public access points along the river enhance neighborhood awareness and a sense of stewardship for the river and its ecology.

ADDRESSING WATER QUALITY

Urban development, like agricultural development, can contribute to water pollution. Excess nutrients and other pollutants collect in stormwater that runs off city streets and neighborhood lawns, golf courses and shopping centers before entering the interconnected network of canals.

Local water control districts including the Central Broward Water Control District, South Broward Drainage District, and North Springs Improvement District have cooperative agreements with the District to enhance water quality monitoring measures, implement best management practices, and to keep the public informed on the importance of these efforts.

Several special interest and business groups are also helping to reduce pollution levels. The Florida Nurserymen & Growers Association has been working with the District to develop Best Management Practices, or BMPs, for nursery operations throughout the county. The Broward County Farm Bureau is also partnering with the District to bring local equestrians together in



Proper landscaping practices can yield healthy lawns and also help protect water quality.

order to develop similar pollution prevention measures for equestrian facilities, and for individual residents with one to four horses.

Recommended "Turf and Landscaping" guidelines are available on the web at www.sfwmd.gov/org/exo/broward/c11bmp

SAVING WATER THROUGH CONSERVATION

With more than 10,000 professional property managers in the county and more than 700,000 homeowners with expansive lawns and thirsty landscapes, an interagency partnership is now under way to develop a water conservation program to help reduce water consumption in Broward County.

The partnership includes the District, Broward County's Department of Planning & Environmental Protection, the Broward County Extension Education Division, the Broward Soil and Water Conservation District and the Natural Resources Conservation Service.

The District's structured but entertaining water management course called "Know the Flow" has been customized specifically for Broward professional property managers and interested homeowners. Participants learn to conserve water through improved irrigation systems and to protect water quality by adopting simple landscape BMPs. The course also explores flooding issues and outlines the key responsibilities for operating and maintaining neighborhood, county, secondary and regional canal systems.

Class participants are encouraged to schedule an on-site evaluation of their irrigation systems by the county's new Mobile Irrigation Lab. The lab is supported by the District, the Broward County Soil & Water Conservation District and the Natural Resources Conservation Service.

In October, a schedule of Know the Flow Courses and information on the county's new Mobile Irrigation Lab will be posted at www.sfwmd.gov/org/exo/broward/index.html

ENHANCING RECREATION

With a county-wide system of Greenways and Blueways as a priority goal of the Broward County Commission, staff from the District and the Florida Department of Transportation have been assisting on the development of a conceptual framework for

linking the individual greenways projects of Broward municipalities. District canals and rights-of-way will play a starring role in the new network of trails.

The District is also working with the Town of Southwest Ranches to develop a multi-use dirt trail along the south side of the C-11 West Canal and with the City of Wilton Manors to use District right-of way along the C-13 to establish public access points.

EDUCATION & PUBLIC OUTREACH

The District's cooperative program with universities and colleges provides expanded opportunities for environmental studies education and workforce development. A collaborative partnership with Broward Community College is designed to better equip young people of all ages with the knowledge and skills needed to meet the water management challenges of the future. This initiative includes partnerships with Park Lakes Elementary School, North New River Middle School, South Plantation High School, as well as the community college.

At the Museum of Discovery & Science, the District, other governmental agencies and environmental organizations served on the South Florida Ecosystem Restoration Task Force's Museum Collaboration Committee. Last year, the collaborative effort produced The Greater Everglades Ecosystem Restoration, an interactive exhibit that is a must-see for the Museum's 400,000 annual visitors. This year the committee is working



Central Broward Water Control District's Nativa Hagler (center) demonstrates the EnviroScape model at the county-sponsored Water Matters event at Tree Top Park.

to upgrade the Museum's EcoScape exhibits to include information about local relationships to the Kissimmee-Okeechobee-Everglades system and the scientific aspects of the restoration effort.

CANALS CONNECT US

Broward's regional and local network of canals doesn't just connect the Atlantic to the Everglades – it connects municipalities, local districts, communities and neighborhoods, schools, businesses and families. Waterways connect us all environmentally, culturally and historically.

Communication Links Communities

As the Vice-Chair of the South Florida Water Management District Governing Board, I believe that it is incumbent upon this agency to ensure that the region's diverse communities are informed and involved concerning water management decisions. Strong partnerships with other governments, community leaders and groups, as well as professional and civic organizations, are vital to helping us get our message out about how our efforts impact central and south Florida residents and businesses.



"I have worked diligently with staff to expand District outreach and partnership efforts into our 16 counties."

—PAMELA BROOKS-THOMAS
GOVERNING BOARD VICE-CHAIR

trust and open communication. And because today's youth are tomorrow's decision-makers, it is imperative that we support educational and mentoring opportunities.

Being the Governing Board member from Broward County, I am especially proud of the positive progress we have made in my home county. Michael Jackson, the director of our local service center, and his staff have made tremendous strides in coordinating intergovernmental and community outreach efforts. The District has numerous long-term mission-related initiatives under way in the county that must be effectively communicated and addressed in order to be mutually beneficial and successful from both the regional and local perspectives.

Both Michael and I have made it a priority to meet with area state legislators as well as the mayor, city manager and public utility director of Broward municipalities to discuss issues of mutual concern.

In addition, the full District Governing Board periodically holds joint meetings with the Broward County Commission, and the District's Water Resources Advisory Commission held its February meeting in Fort Lauderdale with an agenda devoted to Broward-related issues.

My fellow Governing Board members and I look to this advisory group to provide us with recommendations and input on critical resource management

issues, including Everglades restoration and water supply planning. I was able to ensure Broward County representation on this diverse, broad-interest commission by recommending two of the members: Al Calloway of Opportunities Industrialization Centers of South Florida, Inc., provides insight on economic and environmental justice concerns and shares my belief in the importance of citizen involvement. Also, Broward County Commissioner Kristin Jacobs lends her valuable government experience and expertise to our advisory commission deliberations. Long a proponent of water conservation and Xeriscape landscaping as a proven resource management tool, the District is happy to partner with Commissioner Jacobs and the County's Water Matters public education campaign.

In support of the first interagency Water Matters outreach event in May, more than 1,500 Broward County residents came to Tree Top Park to learn about environmentally-friendly landscaping, water conservation and backyard wildlife habitats.

While I am proud of the expanded efforts the District has made to actively engage more and more of our communities and organizations in water management matters, I will continue to pursue additional opportunities to build on these collaborative and beneficial partnerships.

District Leadership Update

"I am pleased to announce some key management changes to benefit the agency and the public that we serve," said Executive Director Henry Dean. Carol Wehle, formerly head of the Greater West Coast Department, now serves as Assistant Executive Director. She is responsible for day-to-day operations, issue management and agency-wide strategic planning. Sheryl Wood has been named General Counsel for the District. She has worked at the agency for 14 years, serving as Deputy General Counsel since 1999. She is responsible for providing leadership and guidance to the agency's Office of Counsel. John Williams was appointed by the Governing Board to serve as District Ombudsman. A veteran water resource attorney, he brings nearly 25 years of experience to this facilitator and problem-solving role, including 19 years with the St. Johns River Water Management District.



Carol Wehle
Assistant Executive
Director



Sheryl Wood
General Counsel



John Williams
Ombudsman

If You Build It...

To build what may be the world's largest public works project, it takes companies of all types and sizes, with many kinds of expertise. When the District needed a reliable, experienced earth-moving company to build a 1.3 mile-long limerock berm in the middle of one of our Stormwater Treatment Areas (STAs), the Jones Company of South Florida responded with a low bid and a high determination to do the best job possible.

"This minority firm was a real go-getter and was eager to demonstrate their capabilities," said Chip Merriam, Deputy Executive



Jones Company owners,
Lance and Angela Jones
at the job site.

Director for Water Resources. "We were very pleased with their professionalism and dedication to completing the work under budget and ahead of schedule."

This project is just one of many that demonstrates the District's commitment to increasing the participation of MBE firms.

STAs are a critical component of the District's on-going efforts to reduce the amount of phosphorus entering the Everglades. To enhance the performance of these constructed wetlands, the District is conducting a variety of scientific and engineering demonstration projects with variations in how the areas are managed. When a small-scale application proves promising and warrants further investigation, the District moves forward with a full-scale version. This adaptive management approach allows the District to constantly adjust and fine-tune the technologies being used in order to accelerate progress in meeting water quality mandates.

Scientists speculated that the use of a berm to subdivide STA treatment cells would help redistribute

water flow – allowing more time for plant uptake of the excess nutrients – and would likely improve the overall phosphorus removal performance of the STA.

To put this concept into action, the District applied to the Florida Department of Environmental Protection for a U.S. Environmental Protection Agency grant to fund construction of the full-scale demonstration project.

The Jones Company, a local firm based in Lauderdale, submitted the low bid and confidently took on the task of building the 6,900-foot long, 2.5-foot high berm in Stormwater Treatment Area 1 West, located in central Palm Beach County. More than 21,000 tons of limerock were trucked in and placed during the operation. While the contract allowed for a five-month construction schedule, the work was completed within four months.

"We are glad to have the opportunity to work with the District on this project and it is exciting for us to be a participant in efforts to save the Everglades," said Angela Jones, company president.



You won't have to lace up hiking boots, don a backpack, slap on bug repellent, or even buy a ticket – to navigate the Everglades Trail. Just get in your car or truck and hit the road! The Everglades

Trail is an audio auto tour that follows the Kissimmee-Okeechobee-Everglades ecosystem as it winds south down the Florida peninsula.

Stops along the way highlight sites of interest with informative narratives by Charles Osgood of CBS news, as well as interviews with Senator Bob Graham, who has been a long-time supporter of the project. The rich folklore and historical accounts along the path where the "River of Grass" once flowed is available on CD with an accompanying map and brochure. An additional CD features the music of Jimmy Buffett.

An ecotourism video featuring the Everglades Trail aired on the Sunshine Network five times for one month, from June 3 through July 2. Produced by Three Star Productions and Wilderness Graphics of Tallahassee, the 30-minute show takes the viewer to various destinations along the Everglades Trail.

The District was instrumental in shooting footage for the video, and editing the final product. Executive Director Henry Dean is featured in an interview.

Numerous resource agencies dovetailed

their efforts so the Everglades Trail could become a reality. They include:

- National Park Service
- U. S. Fish and Wildlife Service
- Florida Fish and Wildlife Conservation Commission
- Florida Department of Environmental Protection
- Rookery Bay National Estuarine Reserve
- Florida State Parks Service
- The Nature Conservancy
- South Florida Water Management District

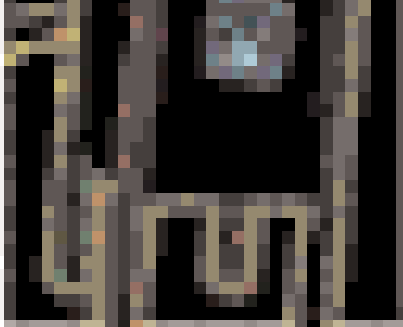
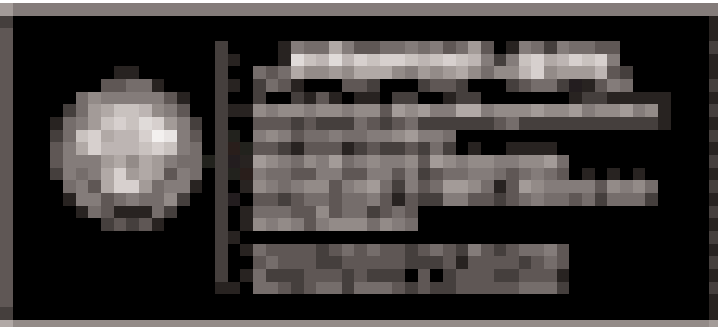
The Everglades Trail (www.evergladestrail.org) will introduce millions of visitors to the "inside story" of a unique ecosystem. Brochures, donated by Wilderness Graphics, will be available free from all the Everglades Trail sites. Rack cards will be available at Welcome Centers. The CDs will be on sale at bookstores throughout central and southern Florida.

CREDITS	
WaterMatters is produced by the South Florida Water Management District's Department of Public Information to inform the public about District projects and programs. An internet version is also available in English and Spanish at www.sfwmd.gov	
DIRECTOR OF PUBLIC INFORMATION JO ANN HYRES	
EDITORS MARSHA KIRCHHOFF PATRICK NICHOLAS	
GRAPHIC ARTIST ELLEN NEGLIE	
PHOTOGRAPHER PATRICK LYNCH	
CONTRIBUTING WRITERS SUSAN BENNETT BILL GRAF KURT HARCLERODE JOSEPH JEAN-BAPTISTE MARSHA KIRCHHOFF JAN LOFTIN MARGARET MCPHERSON JOHN NEUHARTH PATRICK NICHOLAS	
CONTRIBUTING PHOTOGRAPHER CHERI CRAFT TRACI PICCONE	
EXECUTIVE DIRECTOR HENRY DEAN	
GOVERNING BOARD MEMBERS NICOLÁS J. GUTIERREZ, JR., ESQ., CHAIR MIAMI	
PAMELA BROOKS-THOMAS, VICE-CHAIR LAUDERHILL	
IRELA M. BAGUÉ MIAMI	
MICHAEL COLLINS ISLAMORADA	
HUGH M. ENGLISH LABELLE	
LENNART E. LINDAHL, P.E. PALM CITY	
KEVIN MCCARTY DELRAY BEACH	
HARKLEY R. THORNTON ST. CLOUD	
TRUDI K. WILLIAMS, P.E. FORT MYERS	

The South Florida Water Management District is a regional, governmental agency that oversees the water resources in the southern half of the state. It is the oldest and largest of the state's five water management districts.

Our mission is to manage and protect water resources of the region by balancing and improving water quality, flood control, natural systems and water supply.

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NOW AVAILABLE!

WaterWise Landscaping Guide
Our new plant guide includes landscaping tips and extensive listings of plants to help you create landscapes that save water and are environmentally friendly.

Everglades Poster
Produced for Earth Day 2003, this poster celebrates the winged wildlife of the Everglades.

For copies of these free materials, call (800) 432-2045 ext. 6883 or visit our web site (www.sfwmd.gov).



Question selected from District letters and emails received from the public.

My kids have seen you in area parades and events, and on canal signs, and they think you are very cute! How do I get a picture of you for them?

Thank you! I always enjoy seeing families at the events where I get to be a guest. They seem to like me here, too, because they have my face on a bunch of things that children might enjoy. I look a bit more muscular in my latest portraits, because I've been working out! There's a sticker of me that some kids seem to like. It has conservation tips on the back, which you'll need to peel off to stick on books or bicycles or whatever. I'm also often featured in coloring sheets and educational materials (I'm much younger there).

To get copies of any of these materials, just call the District's Department of Public Information. Call toll free in Florida (800) 432-2045, or (561) 682-6883; or check out our web site (www.sfwmd.gov).

Who is Freddy?

His full name is "Freddie the Friendly Alligator." He is the South Florida Water Management District's mascot.

You may have seen him on the signs that mark the region's canals and rivers.

Alligators dig deep holes in the swamp where they "hang out." When drought strikes, these "gator holes" provide water and food (fish, turtles, insects) for many other species such as wading birds. At the same time, any creature sharing the alligator's territory could become its lunch! That's why people should remember that alligators are wild animals which should be admired, but also avoided.

Canals Connect Us!

Broward waterways link people and environment

When most people think of Broward County, they picture sunny beaches, big boats and densely developed cities and suburban areas dotted with homes, shopping centers and golf courses. Few realize that just beyond the bustling cities' westernmost levee lies much of the remnant Everglades, a vast wetland ecosystem that encompasses more than 75% of the county's total land area. A series of canals and waterways connects these man-made and natural habitats. Effective partnerships among the South Florida Water Management District, the county, city governments, local water control districts and community groups help ensure that the county retains both its natural values and its allure as a popular destination.

WATER SUPPLY PLANNING
District staff work closely with the County in support of its leadership role in developing and implementing the Broward County Integrated Water Resource Plan (IWRP). This critical

program takes a comprehensive view – exclusive of municipality or service area boundaries – of existing and proposed water supply needs and sources. The



In portions of Broward County, the Sawgrass Expressway separates the county's western-most developments from the Everglades.

goal is to increase the efficiency and utilization of local rainfall and infrastructure in order to reduce dependency on regional supplies and to help minimize future water shortages. Broward has been recognized by the National Association of Counties for its achievements in this innovative planning arena.

IMPROVING FLOOD CONTROL

South Florida's wet season started early this year, bringing unusually heavy rains to Fort Lauderdale, Oakland Park, Margate and North Lauderdale in late May. The District and local governments quickly assessed the problem areas and mobilized the needed equipment to lessen the impact of these early, torrential storms. Communication and coordination are key to responding to these emergency situations.

To provide a regional perspective on drainage issues in western Broward County, the C-11 Basin Consortium includes local elected officials, local water control districts, interested citizens and the District. Over the past two years, the Consortium successfully acquired \$350,000 to study the basin and identify problem areas. The funds are being used for a pump study, to install monitoring telemetry and to develop a model of Southern Broward County. The results from these studies will be used in conjunction with data provided by the

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South Florida Water Management District
P.O. Box 24680
West Palm Beach, FL 33416-4680

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